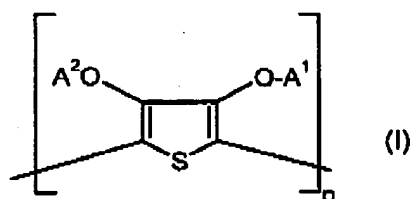


**IN THE CLAIMS**

1. (Currently Amended) A layer arrangement comprising:
  - (a) at least one transparent substrate having an electrically conductive layer,
  - (b) an electro-optically active layer,
  - (c) an additional substrate having an electrically conductive layer,
 wherein at least one of the two electrically conductive substrates is coated with an organic conductive polymer system based on polythiophenes.
2. (Currently Amended) The layer arrangement according to Claim 1, wherein the electrically conductive layer on the substrates comprises a metal, a metal oxide or mixed oxides.
3. (Original) The layer arrangement according to Claim 2, wherein the metal, metal oxide or mixed oxides is or are doped.
4. (Cancelled)
5. (Original) The layer arrangement according to Claim 1, wherein the organic conductive polymer system is a cationically charged polythiophene comprising structural units of the formula (I)



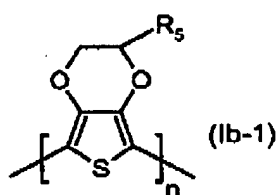
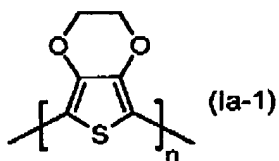
wherein

A¹ and A², independently of one another, are optionally substituted (C₁-C₁₈)-

alkyl or together form optionally substituted (C<sub>1</sub>-C<sub>18</sub>)-alkylene, and  
n is an integer from 2 to 10,000,  
in the presence of anions or polyanions.

6. (Original) The layer arrangement according to Claim 1, wherein the transparent substrate comprises glass or a plastic.
7. (Currently Amended) The layer arrangement according to Claim 6, wherein the transparent substrate comprises a plastic, wherein the plastic is polycarbonate or copolycarbonate, polyester, polysulphone, polyether sulphone, polyimide, polypropylene, polyethylene or a cyclic olefin copolymer or hydrogenated styrene (co)polymer.
8. (Original) The layer arrangement according to Claim 1, wherein at least one of the two substrates is a plastic substrate.
9. (Original) The layer arrangement according to Claim 8, wherein the plastic is polycarbonate or copolycarbonate, polyester, polysulphone, polyether sulphone, polyimide, polypropylene, polyethylene or a cyclic olefin copolymer or hydrogenated styrene (co)polymer.
10. (Currently Amended) The layer arrangement according to Claim 8, wherein the plastic substrate is provided with at least a scratch-resistant or a chemical-resistant finish.
11. (Original) The layer arrangement according to Claim 1, wherein the electro-optically active layer is a liquid-crystal layer.
12. (Original) The layer arrangement according to Claim 1, wherein the arrangement is encapsulated.

13. (New) The layer arrangement according to Claim 5, wherein the cationically charged polythiophene is built up from structural units of the formula (Ia-1) or (Ib-1)



wherein

$R_5$  is (C<sub>1</sub>-C<sub>18</sub>)-alkyl, which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group, (C<sub>2</sub>-C<sub>12</sub>)-alkenyl, which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group, (C<sub>3</sub>-C<sub>7</sub>)-cycloalkyl, which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group, (C<sub>7</sub>-C<sub>15</sub>)-aralkyl, which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group, (C<sub>6</sub>-C<sub>10</sub>)-aryl, which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group, (C<sub>1</sub>-C<sub>18</sub>)-alkoxy, which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group, or (C<sub>2</sub>-C<sub>18</sub>)-alkoxy ester which is substituted by at least one sulphonate group, hydroxyl group or carboxyl group.